



AF 71641

**RESPONSE AFTER FINAL EXPEDITED PROCEDURE GROUP 1641**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**RECEIVED**

DEC 09 2002

TECH CENTER 1600/2900

In re Application of: : Conf. No.:9053  
: :  
Mary A. Reppy et al. : :  
: :  
Serial No.: 09/811,538 : Art Unit: 1641  
: :  
Filed: March 20, 2001 : Examiner: Tran, My Chaut  
: :  
For: METHOD FOR DETECTING AN : Atty Docket: 22001/0005  
ANALYTE BY :  
FLUORESCENCE :  
: :  
: :

9/10/02  
12-20-02

**RESPONSE AND AMENDMENT UNDER 37 CFR § 1.116**

Commissioner for Patents  
Box AF  
Washington, D.C. 20231

Sir:

In response to the Office Action dated September 6, 2002, please amend the above-captioned case as follows.

**IN THE CLAIMS:**

Please amend the claims as follows:

1. (Twice Amended) A method for the detection of an analyte in a sample, which comprises contacting the sample to be tested with a three-dimensional array comprising a polydiacetylene backbone and a substrate, wherein the substrate has direct affinity for an analyte or is capable of binding to an analyte or is capable of reacting with an analyte; and wherein a change, if any, in fluorescence of said polydiacetylene backbone is in response to analyte present in said sample;

and detecting the change in fluorescence to indicate the presence of an analyte.